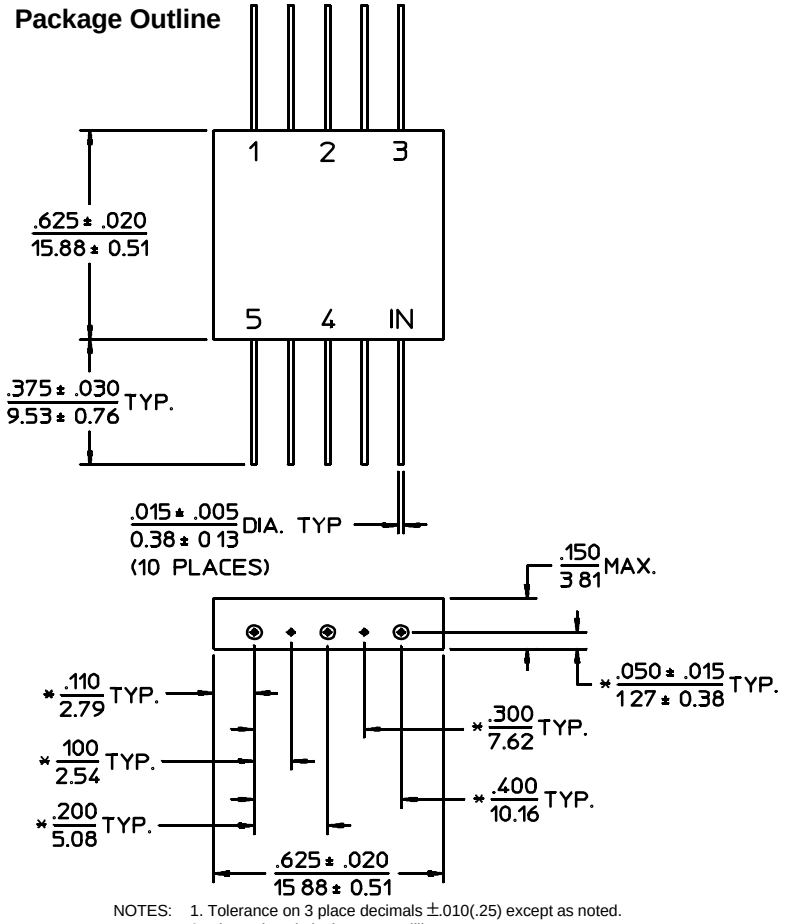
PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, MHz	Isolation, dB, Min.	Isolation, dB, Typ.	Insertion Loss, dB, Max.	Insertion Loss, dB, Typ.	Phase Balance, Max.	Phase Balance, Typ.	Amplitude Balance, dB, Max.	Amplitude Balance, dB, Typ.	VSWR In/Output Max.	VSWR In/Output Typ.
PDF-5C-50	10 - 100	25	35	0.8	0.5	3°	1°	0.2	0.1	1.3:1	1.1:1
PDF-5C-400	100 - 700	20	30	1.0	0.7	6°	3°	0.4	0.2	1.5:1	1.2:1
PDF-5C-1000	700 - 1300	18	25	1.2	0.8	8°	5°	0.6	0.3	1.7:1	1.4:1

Package Outline



NOTES: 1. Tolerance on 3 place decimals ±.010(.25) except as noted.
2. Dimensions in inches over millimeters.
3. Dimensions marked with * apply only at body.
4. All unmarked pins are case ground.

22Feb96

GENERAL SPECIFICATIONS

Coupling:	– 7.0 dB nom.
Impedance:	50 Ω nom.
CW Input Power:	1 Watt max. (When used as divider with 1.2:1 $VSWR_{out}$)
Load Power Dissipation:	50 mW, Internal
Weight, nominal:	0.15 oz. (4.3 g)
Operating Temperature:	– 55° to + 85°C

General Notes:

1. The PDF-5C series of five way Power Dividers/ Combiners covers a broad frequency range of 10 to 1300 MHz using a special lumped element design to reduce the size while maintaining high performance.

2. The flatpack housing is suitable for airborne and space applications where package reliability and hermeticity are critical.